BRUHATH BANGALORE MAHANAGARA PALIKE

BYATARAYANAPURA DIVISION

Comparitive Statement

No. Work:	Construction of tank and providing pump set for de-watering in flood areas in ward no. 05 Jakkur, Byatarayanapura Sub Division
Estimate Amount:-	40.00 Lakhs
Name of Contractor:-	Sri. Chethan P, No 03, 5th Cross Lawrance Layout, Yerrannapalya A.C Post Bangalore-45
Approved Amount:-	33836324.290
Tender premium:-	0.15% Below

Sl No.	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Qty	Qty. as per Anticipated upto 125%			Qty. as per Anticipated above 125%			Total Amount	Difference		Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt		excess amount	Savings amount	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenances required to complete the work. Depth exceeding 1.5m, but not exceeding 3 m and as per the directions of the Engineer-in-charge of the work	Cum	1098.10	213.50	234444.35	927.69	927.69	213.50	198062.00	0.00	0.00	0.00	198062.00	0.00	36382.35	
2	Providing and Filling in foundation with granite / trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift complete as per specifications and as per the directions of the Engineer-in-charge of the work.	Cum	9.00	2812.00	25308.00	9.00	9.00	2812.00	25308.00	0.00	0.00	0.00	25308.00	0.00	0.00	
3	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates Specification and as per the direction of Engineer in charge of the work.	Cum	86.70	6105.00	529303.50	10.76	10.76	6105.00	65690.00	0.00	0.00	0.00	65690.00	0.00	463613.50	
4	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - 1) - 2005 and constructed with CM 1:4 as per IS 2572 2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications and as per the direction of Engineer in charge of the work.	Sqm	73.84	1315.00	97099.60	110.50	92.30	1315.00	121375.00	18.20	1313.63	23909.00	145284.00	48184.40	0.00	
5	Providing Flush / Ruled Struck or weathered pointing Pointing on brick work or brick flooring with cement mortar 1:3 (1 cement : 3 fine sand) after raking joints to depth neatly fining, including cost of materials, labour, curing as per specifications and as per the direction of Engineer in charge of the work.	Sqm	36.04	151.20	5449.25	53.04	45.05	151.20	6812.00	7.99	149.38	1194.00	8006.00	2556.75	0.00	
6	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality conforming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates with 20% partial replacement with Recycled concrete aggregate (RCA) and as per the direction of Engineer in charge of the work.	Cum	6.21	7885.00	48965.85	8.73	7.76	7885.00	61188.00	0.97	7880.44	7645.00	68833.00	19867.15	0.00	

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			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt		excess amount	Savings amount	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
7	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.5m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately) and as per the direction of Engineer in charge of the work.	Cum	9.98	6882.00	68682.36	15.62	12.48	6882.00	85888.00	3.14	6882.70	21612.00	107500.00	38817.64	0.00	
8	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members wherever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) and as per the direction of Engineer in charge of the work.	kg	745.47	105.00	78274.35	838.88	838.88	105.00	88083.00	0.00	0.00	0.00	88083.00	9808.65	0.00	
9	Supplying, Fitting and Placing TMT Fe550 bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications, and as per the direction of Engineer in charge of the work.	Tonne	0.60	101234.00	60740.40	0.82	0.75	101234.00	75926.00	0.07	96719.60	6771.00	82697.00	21956.60	0.00	
10	Providing and Fixing pre cast covering Slab 100mm thick made out of CC, Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc. complete and as per the direction of Engineer in charge of the work.	Sqm	36.00	2068.00	74448.00	25.56	25.56	2068.00	52859.00	0.00	0.00	0.00	52859.00	0.00	21589.00	
11	Providing and Fixing pre cast covering Slab 230mm thick made out of CC, Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc. complete and as per the direction of Engineer in charge of the work.	Sqm	30.00	5029.00	150870.00	23.68	23.68	5029.00	119087.00	0.00	0.00	0.00	119087.00	0.00	31783.00	
12	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum (Tipper 14 m3) and as per the direction of Engineer in charge of the work.	Cum	1098.10	81.00	88946.10	927.69	927.69	81.00	75143.00	0.00	0.00	0.00	75143.00	0.00	13803.10	
13	Cost of Haulage Excluding Loading and Unloading Taking output 18 t load and lead 10 km = 180 t.km and as per the direction of Engineer in charge of the work.	tkm	1098.10	115.00	126281.50	1187.44	1187.44	115.00	136556.00	0.00	0.00	0.00	136556.00	10274.50	0.00	
14	Providing Lubi make 10 HP 3 Phase dewatering submersible pump with outlet 4"	No	1.00	106365.00	106365.00	1.00	1.00	106365.00	106365.00	0.00	0.00	0.00	106365.00	0.00	0.00	
15	Providing 160 mm PVC pipe 6 kg/sqcm	mtr	15.00	898.00	13470.00	15.00	15.00	898.00	13470.00	0.00	0.00	0.00	13470.00	0.00	0.00	
16	Providing and fixing 160 mm PVC elbow	No	5.00	524.00	2620.00	5.00	5.00	524.00	2620.00	0.00	0.00	0.00	2620.00	0.00	0.00	
17	Providing and fixing 160 mm PVC collar	No	3.00	369.00	1107.00	3.00	3.00	369.00	1107.00	0.00	0.00	0.00	1107.00	0.00	0.00	
18	Providing and fixing 160 mm PVC ball wall	No	2.00	4343.00	8686.00	2.00	2.00	4343.00	8686.00	0.00	0.00	0.00	8686.00	0.00	0.00	
19	Providing and fixing MS gate of size 0.6x0.6 mtr	No	1.00	8986.00	8986.00	1.00	1.00	8986.00	8986.00	0.00	0.00	0.00	8986.00	0.00	0.00	
20	Providing MS cover with frame of size 0.9x0.9 mtr	No	1.00	7988.00	7988.00	1.00	1.00	7988.00	7988.00	0.00	0.00	0.00	7988.00	0.00	0.00	
21	Supplying of 1.1KV LT UG cable XPLE or heat resistant PVC Insulated PVC extruded inner sheath armoured UG LT cable as per IS-1554(Part-1) or IS-7098 Part-1,Armouring strip thickness in average +5% and resistivity 14ohms/kms(max) as per IS-3975 4 core 16sqmm	Rmtr	20.00	149.00	2980.00	18.00	18.00	149.00	2682.00	0.00	0.00	0.00	2682.00	0.00	298.00	
22	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stone pipe / on wall/ on pole as required 6 sqmm to 16 sqmm	Rmtr	20.00	11.00	220.00	18.00	18.00	11.00	198.00	0.00	0.00	0.00	198.00	0.00	22.00	
23	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to IS 8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100 V as per IS-694 2010 3C x 6 mm2	Mtr	20.00	241.00	4820.00	18.00	18.00	241.00	4338.00	0.00	0.00	0.00	4338.00	0.00	482.00	
24	Supplying fully automatic star-delta starter unit push button type with suitable wires, 3 contactors, one adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 V 3 phase and wired after fixing to the existing wooden board for motor Above 12.5 HP upto 25 HP	Each	1.00	8627.00	8627.00	1.00	1.00	8627.00	8627.00	0.00	0.00	0.00	8627.00	0.00	0.00	
25	Fabricating supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size cIA with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc. complete	Sqcm	22000.00	0.37	8140.00	22000.00	22000.00	0.37	8140.00	0.00	0.00	0.00	8140.00	0.00	0.00	

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	Labour charges for erection of outdoor type panel board and meter boardunits with all necessary materials and labour, tools and equipments including providing cement concrete foundation bed etc , complete as per specification, with testing of as per instructions of engineer incharge of work	No	1 00	1388 00	1388 00	1 00	1 00	1388 00	1388 00	0 00	0 00	0 00	1388 00	0 00	0 00	
27	Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material by Mechanical Means using Hydraulic excavator with in all lifts and lead	Sqm	450 00	4 30	1935 00	522 31	522 31	4 30	2246 00	0 00	0 00	0 00	2246 00	311 00	0 00	
28	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1 5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work	Cum	45 00	120 70	5431 50	52 24	52 24	120 70	6306 00	0 00	0 00	0 00	6306 00	874 50	0 00	
29	Construction of Granular Sub-Base of required grading as per design spreading in uniform layers with motor grader on prepared surface mixing by mix in place method with front end loader at OMC and compacting with vibratory roller to achieve the desired density, complete as per clause 401 B Place Mix Method (v) For Grading -V Material	Cum	67 50	2457 00	165847 50	78 35	78 35	2457 00	192506 00	0 00	0 00	0 00	192506 00	26658 50	0 00	
30	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density	Cum	112 50	2633 00	296212 50	130 59	130 59	2633 00	343844 00	0 00	0 00	0 00	343844 00	47631 50	0 00	
31	Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0 90 kg per m2 using mechanical means	Sqm	450 00	48 30	21735 00	522 31	522 31	48 30	25228 00	0 00	0 00	0 00	25228 00	3493 00	0 00	
32	Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0 20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom	Sqm	1350 00	13 00	17550 00	1417 55	1417 55	13 00	18429 00	0 00	0 00	0 00	18429 00	879 00	0 00	
33	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4 5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No 505 complete in all respects	Cum	22 50	10875 00	244687 50	26 13	26 13	10875 00	284164 00	0 00	0 00	0 00	284164 00	39476 50	0 00	
34	Providing and laying Bituminous Concrete with not less than 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30 @ 4 78% Bitumen and waste plastic 8% of Bitumen of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No 507 complete in all respects and as por the direction of Engineer in charge of the work	Cum	36 00	11740 00	422640 00	56 71	45 00	11740 00	528300 00	11 71	11064 78	129569 00	657869 00	235229 00	0 00	
35	Providing and fixing Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc as required In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge	Kg	3750 00	118 50	444375 00	0 00	0 00	118 50	0 00	0 00	0 00	0 00	0 00	0 00	444375 00	

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			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt		excess amount	Savings amount	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
E1	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately) and as per the direction of Engineer in charge of the work.	Cum				77.22	77.22	6554.95	506174.00	0.00	0.00	0.00	506174.00	506174.00	0.00	
	Grand Total				3384624.26								3384469.00	1012192.69	1012347.95	
	Add 18% GST				609233.00								609205.00	182195.00	182223.00	
	Grand Total				3993857.26								3993674.00	1194387.69	1194570.95	

Cross Check

Tender Amount	3993857.26
Executed Amount	3993674.00
	183.26

Total Saving Amount	1194570.95
Total Excess Amount	1194387.69
	183.26

Cheltan P
Contractor

Assistant Engineer
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Assistant Executive Engineer
ಸಹಾಯಕ ಕಾರ್ಯ[illegible] ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

Executive Engineer

ಕಿರಿಯ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ